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DATE: September 18, 2007
PTO IDENTIFIER: Application Number 10/593,809-Conf. #4923
Patent Number Inventor: Prabhat Kumar et al.
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FROM: CONNOLLY BOVE LODGE & HUTZ LLP
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Attorney Dkt. #: 13194-00048-US
PAGES (Including Cover Sheet): 6
CONTENTS: Transmittal of Powers of Attorney (1 page) Statement Under 37 CFR 3.73(b) (1 page) Power of Attorney and Correspondence Address Indication Form (H.C. Starck) (1 page) Power of Attorney and Correspondence Address Indication Form (North Carolina State University) (1 page) Certificate of Transmission (1 page)
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Application No. (if known): 10/593,809 SEP 1 8 2007
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Transmittal of Powers of Attorney (1 page)

Statement Under 37 CFR 3.73(b) (1 page)

Power of Attorney and Correspondence Address Indication Form (H.C. Starck)

(1 page)

Power of Attorney and Correspondence Address Indication Form (North Carolina State University) (1 page)

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SEP 1 8 2007

Docket No.: 13194-00048-US

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Conf. No.: 4923

Prabhat Kumar et al.

Application No.: 10/593,809

Group Art Unit: 2812

Filed: June 28, 2007

Examiner: Not Yet Assigned

For: METHODS OF FORMING ALPHA AND

BETA TANTALUM FILMS WITH

CONTROLLED AND NEW MICROSTRUCTURES

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

TRANSMITTAL OF POWERS OF ATTORNEY

Applicant submits herewith Statement Under 37 CFR 3.73(b) and Power of Attorney forms executed on behalf of H.C. Starck Inc. and on behalf of North Carolina State University for filing in the above-captioned patent application.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 13194-00048-

US.

Dated:

Respectfully submitted

Aaron R. Ettelman

Registration No.: 42,516

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STATEMENT UNDER 37 CFR 3.73(b)
Applicant/Patent Owner: H.C. Starck Inc. and North Carolina State University
Application No./Patent No.: 10/593809 Filed/Issue Date: June 28, 2007
METHODS OF FORMING ALPHA AND BETA TANTALUM FILMS WITH CONTROLLED AND Entitled: NEW MICROSTRUCTURES
H.C. Starck Inc. and North Carolina State (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is:
the assignee of the entire right, title, and Interest; or
2. an assignee of less than the entire right, title and interest.
(The extent (by percentage) of its ownership interest is%)
in the patent application/patent identified above by virtue of either:
A. X An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel018455 Frame0410, or for which a copy thereof is attached.
OR
B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:
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Additional documents in the chain of title are listed on a supplemental sheet.
As required by 37 CFR 3.73(b)(1)(I), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11. [NOTE: A separate copy (<i>i.e.</i> , a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.
Settenber 18, 2007
Signature Date
Aaron R. Ettelman (302) 658-9141
Printed or Typed Name Telephone Number
Authorized Signer for Assignee Title

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spond to a collection of information unless it displays a valid OMB control number. Under the Paperwork Reduction Act of 1995, no persons are require 10/593,809-Conf. #4923 Application Number September 20, 2006 Filing Date Jagdish Narayan First Named Inventor POWER OF ATTORNEY METHODS OF FORMING ALPHA AND and BETA TANTALUM FILMS WITH CORRESPONDENCE ADDRESS Title CONTROLLED etc. INDICATION FORM Art Unit N/A Not Yet Assigned Examîner Name 13194-00048-US Attorney Docket No. We hereby revoke all previous powers of attorney given in the above-identified application. We hereby appoint: 23416 Practitioners associated with the Customer Number: X Practitioner(s) named below: Registration Registration Name Number Name as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith. Please recognize or change the correspondence address for the above-identified application to: The address associated with the above-mentioned Customer Number: AR The address associated with Customer Number: OR Firm or Individual Name Address State City Email Telephone Country We are the: Applicant/Inventor. Assignees of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96) SIGNATURE of Applicant or Assignees of Record H.C. Starck Inc. Date Signature Telephone Sarafkan

Name

Signature

Name

Title and Company

Title and Company

forms are submitted

General Counsel, H.C. Starck Inc.

North Carolina State University

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple

Telephone

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forms if more than one signature is required, see below.

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